

**Claims**

What is claimed is:

1. A method of forming a wellbore casing within a borehole that traverses a subterranean formation, comprising:
  - assembling a tubular liner by a process comprising:
    - coupling a multi-layer tubular insert assembly to a threaded portion of a first tubular member; and
    - coupling a threaded portion of a second tubular member to the threaded portion of the first tubular member and the multi-layer tubular insert;
  - positioning the tubular liner assembly within the borehole; and
  - radially expanding and plastically deforming the tubular liner assembly within the borehole;wherein the multilayer tubular insert comprises:
  - a first tubular insert having a first modulus of elasticity; and
  - a second tubular insert coupled to the first tubular insert having a second modulus of elasticity;wherein the first modulus of elasticity is different from the second modulus of elasticity.
2. The method of claim 1, wherein the first and second tubular inserts comprise metallic materials.
3. The method of claim 2, wherein the first tubular insert comprises copper; and wherein the second tubular insert comprises cadmium.
4. The method of claim 1, wherein the modulus of elasticities of the first and second tubular inserts are less than the modulus of elasticities of the first and second tubular members.
5. A method of forming a wellbore casing within a borehole that traverses a subterranean formation, comprising:
  - assembling a tubular liner by a process comprising:
    - coupling a multilayer tubular insert assembly to a threaded portion of a first tubular member; and
    - coupling a threaded portion of a second tubular member to the threaded portion of the first tubular member and the multilayer tubular insert;
  - positioning the tubular liner assembly within the borehole; and

radially expanding and plastically deforming the tubular liner assembly within the borehole;  
one of the layers of the multilayer tubular insert providing a fluidic seal after radially  
expanding and plastically deforming the tubular liner assembly; and  
another one of the layers of the multilayer insert providing a micro fluidic seal after radially  
expanding and plastically deforming the tubular liner assembly.